

## Creating Healthy Communities

by Eliminating Exposure to Toxins

### The Impact of Roundup (Glyphosate) On Our Community

Data Sheet for HOA's, School Boards and City Councils



**G**lyphosate is the "active chemical ingredient" in Roundup, a herbicide trademarked by Monsanto Corporation. Glyphosate is now a generic chemical in 750 products, with over 650 million tons used in 2013.

EPA "safety" data for glyphosate, written by the chemical manufacturers, is now 40 years old. The EPA only conducts safety tests on the "active chemical ingredient" of products, not the combination of chemicals. A recent study by Seralini's Team shows the "inert" chemicals in Roundup make glyphosate 1000x more toxic.



- Glyphosate does not dry off, wash off or cook off. It absorbs into our food through the soil after it is sprayed as a "burn down" on the soil before planting.
- Glyphosate is sprayed on school play grounds, parks, sidewalks, streets, back yard gardens, in waterways, forestry, and on our food.
- Glyphosate is sprayed on GMO food crops, the soil of non GMO crops, and directly on non organic food as a drying agent such as wheat, sugar, barley, dried beans, peas and more.

### Alarming Facts about Glyphosate!

- ★ Glyphosate has been: Declared a Class 2 "probable carcinogen" by the World Health Organization.
- ★ Connected to the decline of organic matter in soil, contributing to a loss of water retention and drought.
- ★ Linked to causing cell damage, genetic mutations, miscarriages, behavioral disorders, reproductive damage, autoimmune disease, cancer, and death, especially in laborers handling glyphosate. (2004 paper published in the Journal of Pesticide Reform.)
- ★ 3000 pigs in Denmark study ate glyphosate sprayed grains and repeatedly had an increase of miscarriages by 30%, the same rate of miscarriage and infertility in American couples today.
- ★ Glyphosate has been found in the majority of tap water samples, our children's urine, breast milk, baby formula, cow's milk, honey, cereals, soy sauce and chips.
- ★ The ADI or allowable daily intake does not take the fetus in the womb into consideration.



**These above ways of application have led the EPA to allow glyphosate residue on 160 of our non organic food and feed crops at levels 2 - 4000 X higher than what has been shown to destroy gut bacteria in chickens.**



# Glyphosate has been shown in peer reviewed, scientific studies on:

[www.momsacrossamerica.com/data](http://www.momsacrossamerica.com/data) to be:

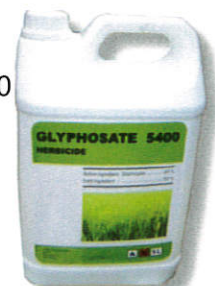


**1. A patented Antibiotic.** Antibiotics kill gut bacteria, where 70% of our immune system lies.

**2. A Chelator.** Chelators "hold or make unavailable" the vital nutrients of any living thing it touches, leading to a weakened immune system through vitamin and mineral deficiency. Cancer grows in states of vitamin and mineral deficiency.

**3. Endocrine Disruptor ( ie: DNA mutagen).** Endocrine disruptors halt or stop the development of a fetus. An infinitesimal amount of glyphosate can cause permanent harm or death to a fetus, therefore it is not true that an ADI or allowable daily intake would protect our children. Glyphosate can also break down the blood brain barrier, allowing toxins into the brain, connecting itself to Autism and Alzheimer's.

**Through Citizen Testing With Moms Across America,** Glyphosate has been found in household drinking water samples (70%), our children's urine (10-12 X higher levels than in Europe), mother's breast milk (760-1600X higher than is allowed in the drinking water in Europe) and in PediaSure feeding tube liquid (1100 X higher than has been shown to destroy gut bacteria).



**Hundreds Of Studies Now Show Harm From Glyphosate:** direct correlation to birth defects, miscarriage, infertility, sterility, Autism, allergies, auto immune issues, Celiac's Disease and gluten intolerance, Leukemia, Non Hodgkin's Lymphoma, Crohn's, IBS and other gut related issues, mental health issues, etc.

THE RISE IN AUTISM AND MANY DISEASES  
CORRELATE WITH THE INTRODUCTION  
AND INCREASE OF GLYPHOSATE ON FOOD.

**"THERE IS NO ACCEPTABLE LEVEL OF GLYPHOSATE  
IN OUR FOOD, WATER, RAIN, OR BODIES"**

- Anthony Samsel, Independent Scientist of  
Environmental Chemistry, Organic Chemistry,  
and Polymer Chemistry

**Get your water or urine tested  
for glyphosate! Go to:  
[www.momsacrossamerica.com/action](http://www.momsacrossamerica.com/action)**

**Please stop using Roundup/Glyphosate or any toxic chemicals on your property or in our county today. Please use organic pesticides or have the weeds pulled instead. The health of our community depends on your partnership. We appreciate the extra effort it will take and thank you so much.**

**We** request that our School Boards, City Council, Home Owner associations and County discontinue the use of Roundup, glyphosate based and toxic chemicals and instead use organic products or other methods such as:

- ✪ Community or Scout project weed pulling days
- ✪ Boiling water/vinegar/dish soap combinations or organic alternatives
- ✪ Safe Steam Weed Killer Machines from: Weed Technics [jeremy@weedtechnics.com](mailto:jeremy@weedtechnics.com)



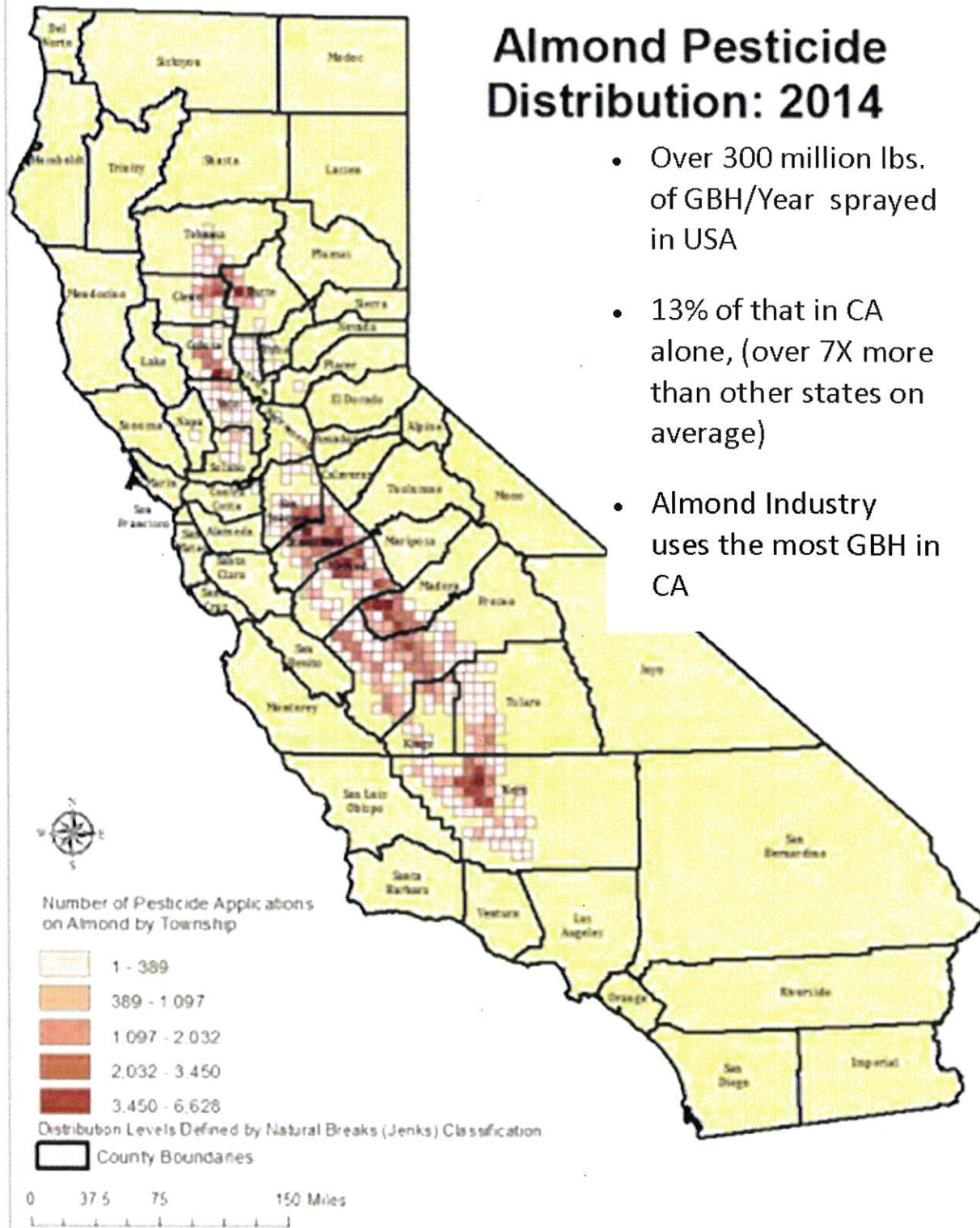
**For more information &  
reference to all studies  
go to:**

[www.momsacrossamerica.com/data](http://www.momsacrossamerica.com/data)  
<http://www.pesticide.org>  
<http://www.naturalnews.com>  
<http://www.foodandwaterwatch.org>



## Almond Pesticide Distribution: 2014

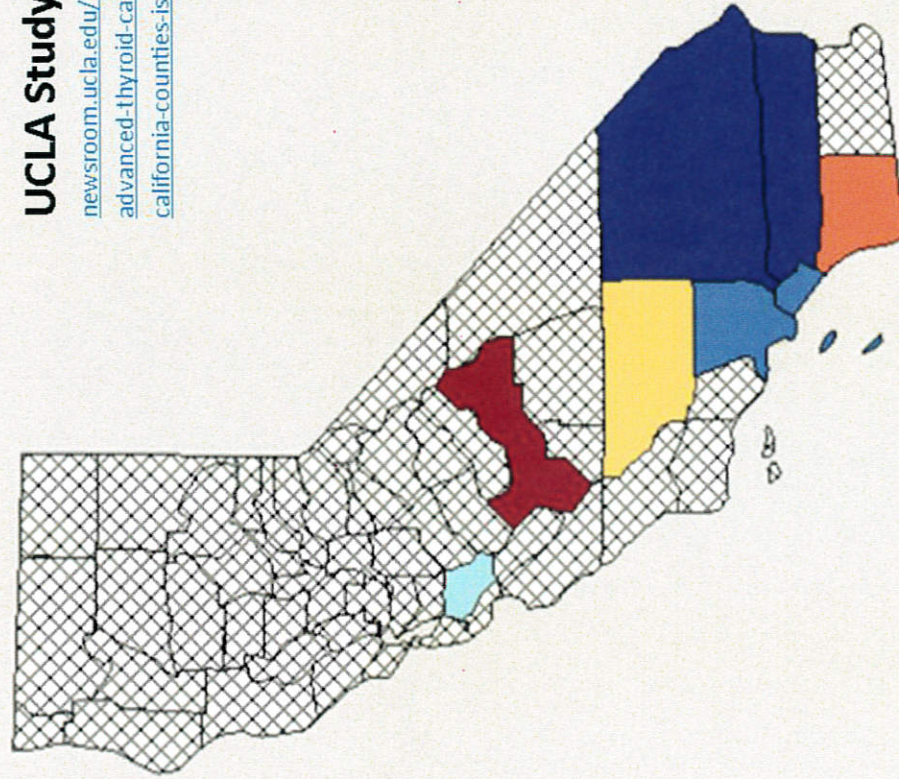
- Over 300 million lbs. of GBH/Year sprayed in USA
- 13% of that in CA alone, (over 7X more than other states on average)
- Almond Industry uses the most GBH in CA





# Incidence Rates<sup>†</sup> for California Thyroid, 2009 - 2013 Hispanic (any race), Male, Ages <50

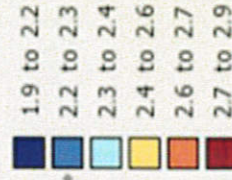
**UCLA Study:** [http://  
newsroom.ucla.edu/releases/ucla-study-finds-  
advanced-thyroid-cancer-rate-in-some-  
california-counties-is-well-above-national](http://newsroom.ucla.edu/releases/ucla-study-finds-advanced-thyroid-cancer-rate-in-some-california-counties-is-well-above-national)



Age-Adjusted

Annual Incidence Rate  
(Cases per 100,000)

Quantile Interval<sup>Δ</sup>



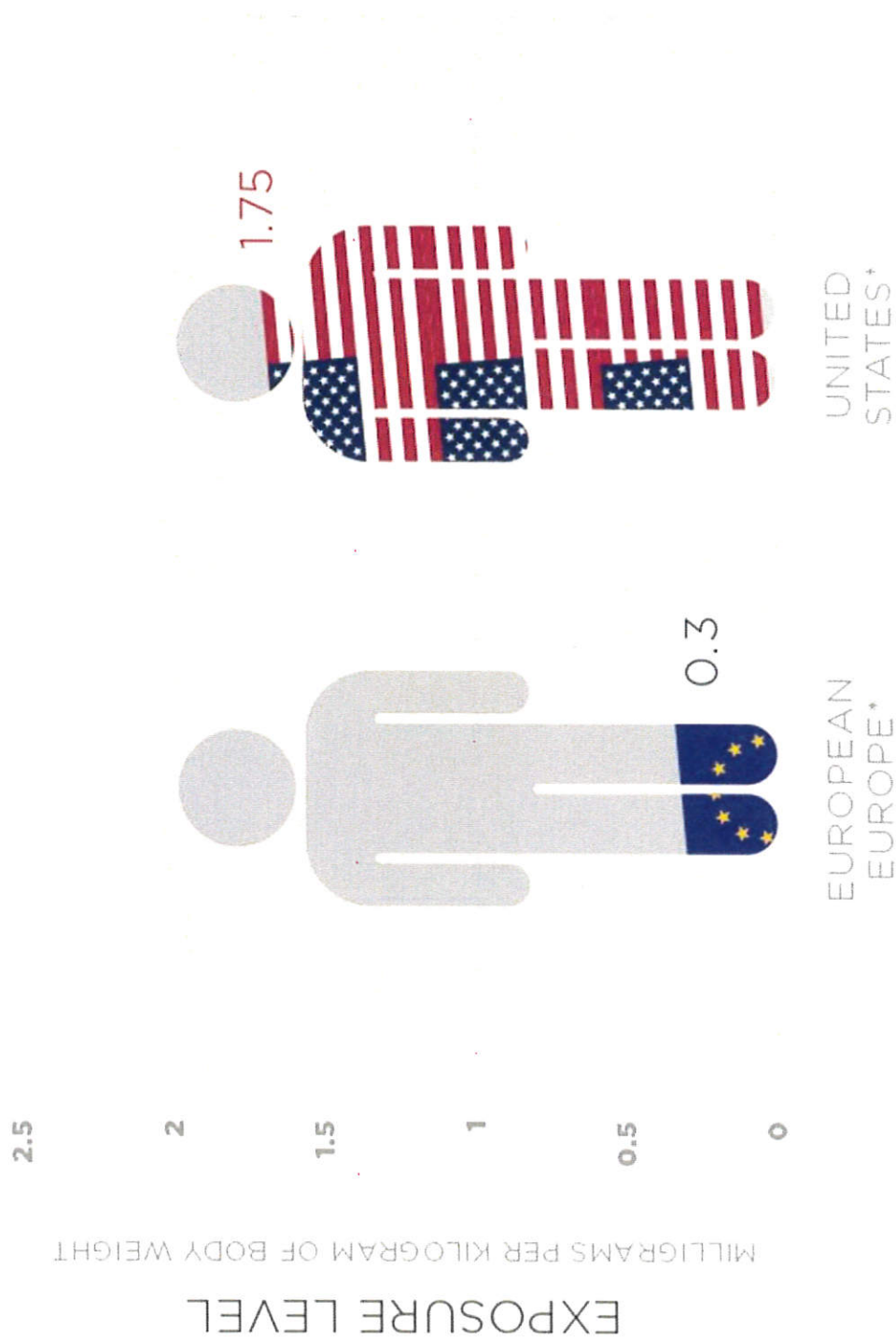
Suppressed \* / \*\*

US (SEER + NPCR)  
Rate (95% C.I.)  
Data not available.

California  
Rate (95% C.I.)  
2.3 (2.1 - 2.5)



# U.S. GOVERNMENT IS OK WITH MORE EXPOSURE TO MONSANTO'S GLYPHOSATE



\*DAILY CHRONIC REFERENCE DOSE FOR EXPOSURE TO GLYPHOSATE

Berbrook, 2016 <http://dx.doi.org/10.1186/s12302-016-0070-0>





# USGS TABLES – CA WATER SAMPLES:

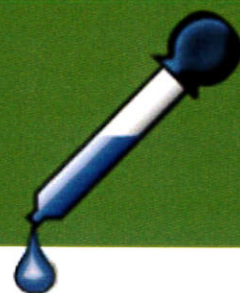
Riverside County:	04-09-2014	10:30 PDT	2.6	fltrd 0.7u GF ug/L (62722)
Riverside County:	01-07-2016	14:10 PDT	4.0	fltrd 0.7u GF ug/L (62722)
Sacramento County:	12-09-2014	12:00 PDT	.05	fltrd 0.7u GF ug/L (62722)
Sacramento County:	06-22-2016	09:00 PDT	.04	fltrd 0.7u GF ug/L (62722)
Monterey County:	03-03-2014	10:05 PDT	7.9	fltrd 0.7u GF ug/L (62722)
Colusa County:	06-18-2013	08:40 PDT	2.6	fltrd 0.7u GF ug/L (62722)

## WATER

- ⇒ After a chronic exposure, a commercial formulation of GlyBH impaired liver and kidneys from 0.1 ppb (= 0.1 micrograms) dissolved in drinking water (Seralini et al., 2014a).
- ⇒ Residues of glyphosate and AMPA have also been found to contaminate surface waters, even in areas without GMO crops (Coupe et al., 2012; IFEN, 2006).



# 1 Drop of Ink into 13,750 gallon Tanker



**Equals about \*1ppb  
CONCENTRATION**

**\*The level that stimulated the  
proliferation of breast cancer  
cells in vitro. (Thongprakaisang et al., 2013)**



A concentration of  
**1 ppt (part per trillion)**



= 1 DROP OF INK

into 13,200,000 gallons of water or  
20 OLYMPIC-SIZE SWIMMING POOLS

